Assignment #1

(Due by February 16, 2018)

1.	Inverse market demand is: $P_D = A - BQ_D$, while inverse market supply is $P_S = C + DQ_S$. Derive the equilibrium price and equilibrium quantity.	given as (1 points)
2.	If a single monopoly is operating in this market with a cost function of $C(Q) = F + c * Q$, how much will the monopoly produce to attain maxim	um profits (2 points)
3.	How large would the monopoly's optimum production be with first degree discrimination?	e price (1 point)
4.	What is the main difference between second degree and third degree price discrimination?	e (2 points)
5.	Your company is the leading firm in a Stackelberg oligopoly market, whe other firms are competing with you. You all operate with identical constances c .	
	a. How much will be your company's optimum output level?	(2 points)
	b. If the number of companies in this market, $n \to \infty$, to what level will price converge to?	the market (2 points)